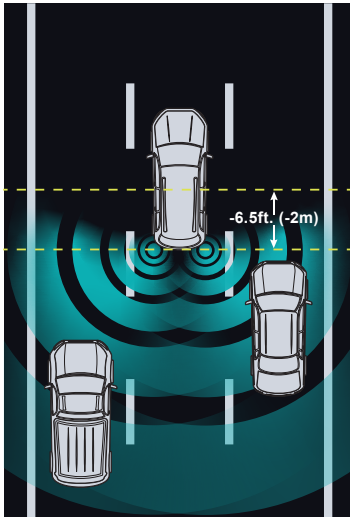


## SDA-BS900 Add-On Blind Spot Detection System to Detect Approaching and Passing Vehicles



- Bumper Radar Sensors with built-in control
- High accuracy digital microwave radar technology
- Interior audible and LED indicator alerts
- GPS unit for speed sensing
- Bumper Radar Sensors are IPX6 and IPX7 rated
- LED indicators with pre-installed silver color covers (black covers also included)
- 3-year limited warranty

### FEATURES



GPS Antenna

The Pioneer Blind Spot Detection System (BSD) SDA-BS900 is designed to assist in detecting vehicles entering your vehicle's blind spot zone\*. While driving, the SDA-BS900 will detect vehicles entering your blind spot zone around the rear of your vehicle and in the lanes on the left and right with an approximate range of up to 82 feet. Additionally, objects approaching in either blind spot from the side-rear of your vehicle can detect up to 6.5 ft before and during a lane change maneuver.

The SDA-BS900's microwave radar sensors will detect vehicles approaching or overtaking your vehicle from the rear, or when your vehicle is approaching or overtaking moving vehicles. When you're slowly backing out of a parking spot or driveway, cross traffic approaching from your left or right entering your blind spot zone will activate the buzzer and the LED indicator(s) to signal the direction of approaching vehicles and warn the driver.



Bumper Radar Sensors

#### GPS Antenna Included

The SDA-BS900 comes with a GPS antenna, which is used to calculate your vehicle's relative moving speed. On startup, it may take up to 2 minutes to engage; once engaged, both LED indicators will flash twice to indicate the GPS system is active. The factory default is set to detect and warn at speeds above 18 mph. At speeds under 18 mph, objects will not be detected.

#### Bumper Radar Sensors with Built-in Control Unit Installation

The SDA-BS900 can only be installed behind plastic bumpers and cannot be placed behind metal bumpers. When mounting the sensors, ensure the sensors are not obstructed by any metal objects, which could result in false readings. Placement of the sensors should be in the rear corners of the bumper, perpendicular to the ground, and should be between the lowest line of the taillight and the highest line of the fog light.



#### IPX6 and IPX7 Rating

The SDA-BD900 bumper radar microwave sensors with built-in Control Units are IPX6 and IPX7 rated.

#### Blind Spot Reading Accuracy

Situations which may affect the SDA-BD900's reading accuracy include

- When metal objects are in the direct path of the sensing signal.
- Weather such as heavy rain and snow, and icy road conditions, which can cause changes in sensitivity.
- Gravel roads, which may cause interference due to dust, debris, or foreign objects.

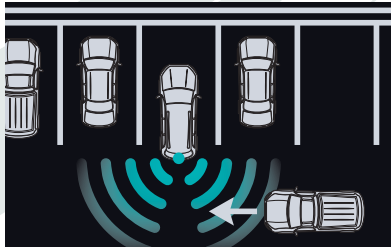
#### Blind Spot's Effectiveness

The SDA-BD900 may also be compromised in its effectiveness in the case of

- Incorrect angle installation of sensors.
- Vehicles with metal obstructions in front of the sensor.
- Improperly mounted sensor location on vehicle.



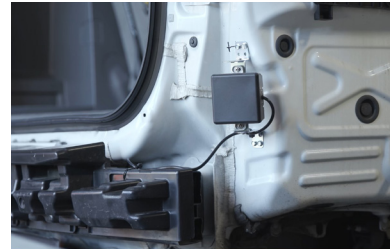
Installation of sensors



Reverse Cross Traffic Alerts



Radar Sensors Install behind plastic bumpers



LED Indicators

Model No		SDA-BS1	SDA-BS100	SDA-BS900	
Limited		No	Yes	Yes	
Features	Type	Control Unit with license Bar Radar Sensors	Control Unit with license Bar Radar Sensors	Bumper Radar Sensors	
	Warranty	3 Year Limited	3 Year Limited	3 Year Limited	
	Ingress Protection Rating	License Plate Bar: IPX6/IPX7	License Plate Bar: IPX6/IPX7	Radar Sensor: IPX6/IPX7	
	Compatibility	----	----	----	
	Speaker	Yes	Yes	Yes	
	GPS Antenna	Yes	Yes	Yes	
Sensor Information	Detection Range	52 ° (Horizontal)	52 ° (Horizontal)	70 ° (Horizontal)	
	Speed Range	0.5 mph - 37 mph	0.5 mph - 37 mph	0.5 mph - 37 mph	
	Speed Accuracy	<0.5 mph	<0.5 mph	<0.5 mph	
	Speed Restriction	4 Adjustable Settings; 5 mph, 10 mph, 15 mph, 20 mph (default)	4 Adjustable Settings; 5 mph, 10 mph, 15 mph, 20 mph (default)	>= 18 mph	
	<b>Direction of Movement and Detection Range</b>				
	Approached by Vehicles	1' - 50'	1' - 50'	(-)6.5' - 82'	
	Following By Vehicles	NA	NA	(-)6.5' - 82'	
	Overtaking Vehicles	NA	NA	(-)6.5' - 82'	
	Operating Voltage	9 - 18 V	9 - 18 V	9 - 18 V	
	Working Current	<100mA	<100mA	400mA	
Working Temperature	(-) 4 ° F - 158 ° F	(-) 4 ° F - 158 ° F	(-) 40 ° F - 185 ° F		
FUSE Rating	2A	2A	2A		
General	Mounting Location	Rear License Plate Center installation required	Rear License Plate Center installation required	Right and Left Rear Bumper Corners	
	Main Harness	1 Piece	1 Piece	1 set	
	Main Control Unit	Separate Sensor Module Included	Separate Sensor Module Included	Sensor Module Built-In	
	Sensor Cables	1 Set	1 Set	1 Set	
	LED Extension Cable	1 Set	1 Set	1 Set	
	License Plate Bar with Configurable Radar Sensor	1 Piece	1 Piece	NA	
	GPS Tieline	NA	NA	1 Piece	
	LED Indicator	1 Set	1 Set	1 Set	
	LED Indicator Lens	2 Pieces (black)	2 Sets (2 Black and 2 Silver)	2 Sets (2 Black and 2 Silver)	
	Wedges	5°, 10°, and 15°	5°, 10°, and 15°	NA	

For full specifications and other Pioneer products, visit [www.pioneerelectronics.com](http://www.pioneerelectronics.com)

\* THIS PRODUCT FUNCTIONS AS AN AID FOR NOTIFYING THE PRESENCE OF OBSTACLES IN VEHICLE BLIND SPOTS. IT DOES NOT DETECT ALL DANGERS AND OBSTACLES AND IS NOT A SUBSTITUTE FOR YOUR JUDGEMENT AND CAREFUL ATTENTION. BEFORE ANY MANEUVER, VISUALLY CHECK BOTH SIDES OF THE VEHICLE TO CONFIRM.

This device is rated IPX6 and IPX7 using the Ingress Protection rating system. The device has been tested in a controlled environment and shown to be water resistant in certain circumstances and meets the requirements of the classification IPX6 and IPX7 as described by the international standard IEC 60529 - Degrees of Protection provided

by Enclosures [IP Code]. Despite this classification, the device is not resistant to water damage in every situation.

Information provided for reference only and does not imply guaranteed compatibility with each model year of the vehicles shown. Consult your Authorized Pioneer Dealer to confirm vehicle compatibility.

PIONEER and the Pioneer logo are trademarks or registered trademarks of Pioneer Corporation.

All other brand, product names, or logos are trademarks or registered trademarks of their respective holders.

Protect your investment. Purchase from an Authorized Pioneer Dealer. Only products purchased from an Authorized Pioneer Dealer (or

Authorized Pioneer Internet Dealer) qualify for the manufacturer's warranty and manufacturer's rebates. Pioneer Electronics (USA) Inc. proudly supports and encourages you to support the Consumer Technology Association (CTA), Mobile Electronics Certification Program (MECP) for installers and the Specialty Equipment Market Association (SEMA).

Pioneer Electronics (USA) Inc., Post Office Box 1760, Long Beach, California 90801

Pioneer Customer Service Department: 1-800-PIONEER

Note: Specifications, designs, and user interfaces are subject to modification without notice. Product colors and illumination may differ in photographs from actual appearance due to effects of printing and photography.



CHECK OUT MORE AT [PIONEERELECTRONICS.COM/CAR](http://PIONEERELECTRONICS.COM/CAR)

- FACEBOOK.COM/PIONEERNORTHAMERICA
- INSTAGRAM.COM/PIONEERCARAUDIO
- TWITTER.COM/PIONEERUSA
- YOUTUBE.COM/PIONEERELECTRONICS